

**IKO****TECHNICAL DATA SHEET****STOCK NO. 0270XXX****July, 2017****MARATHON PLUS**

This heavyweight shingle is composed of a resilient, inorganic glass base that is coated and permeated with additional weather-resistant asphalt. As a three-tab, heavyweight shingle, it provides the assurance of long lasting performance and is surfaced with ceramic colored granules, which protect the asphalt from ultraviolet radiation. Each shingle has release tape and mineral powder applied to the underside, thus preventing any sticking in the bundle. This shingle meets ASTM D3018, ASTM D3161 Class F, ASTM D3462, ASTM E108 Class A, and CSA A123.5, and ASTM D7158 Class H shingle compositional and performance characteristics, and can be applied to roofs with slopes of greater than 4:12 (underlayment is strongly recommended on slopes below 6:12). They may also be applied on low slope roofs (2:12 to 4:12) providing the deck is covered with two plies of felt cemented together or one ply of any IKO Ice & Water Protector.

CHARACTERISTIC	UNITS	NOMINAL VALUE	TEST METHOD	STANDARD LIMITS
QUANTITY PER PALLET:	-	60	-	N/A
PALLET SIZE:	cm (in)	101 x 135 (40 x 53)	-	-
LENGTH:	mm (in)	1000 (39 3/8)	-	± 3 (± 1/8)
WIDTH:	mm (in)	336 (13 1/4)	-	± 3 (± 1/8)
HEADLAP:	mm (in)	50 (2)	-	MIN: 50 (2)
BUNDLE QUANTITY:	-	21	-	-
COVERAGE PER BUNDLE:	ft ² (m ²)	32.3 (3.0)	-	-
EXPOSURE:	mm (in)	143 (5 5/8)	-	-
TEAR STRENGTH:	g	PASS	ASTM D1922	MIN: 1700
HEAT RESISTANCE:	-	PASS	*	90°C (192°F)
STABILIZED BITUMEN WEIGHT:	g/m ² (lbs/100 ft ²)	PASS	ASTM D228	MIN: 2000 (41)
GRANULE RETENTION:	%	PASS	ASTM D4977	MIN: 86
FIRE RATING:	-	CLASS A	ASTM E108	MIN: CLASS A

* Sample shows no sliding or dripping of the bitumen coating when suspended vertically in an oven at 90°C (192°F) for 2 hours.

See also Material Information Sheet – MIS # 1313

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